



3M™ Peltor™ Optime™ II Food Industry Ear Muff (H520AH02)

Product Description

The 3M™ Peltor™ Optime™ II Food Industry ear muff (H520AH02), available in headband version only, is particularly designed to appeal to the food industry. This ear muff provides good level of attenuation that meets the needs of the majority of food industry applications. When correctly selected and worn this product helps reduce exposure to hazardous levels of noise and loud sounds.

Key Features

- Feature wire headband for constant head band force providing reassured protection
- Easy to clean for good hygiene practice
- Minimises moisture and heat build-up
- One size fits all
- Soft wide cushions helps reduce pressure around the ears and improves comfort and wearability
- White colour to help increase visibility and improve compliance

Application

The 3M™ Peltor™ Optime™ II Food Industry ear muff, although ideal for use in the food industry, can also be used in a wide range of other industrial application in a variety of environmental working conditions.

Examples of typical applications include

- Agriculture
- Automotive
- Chemical & pharmaceutical manufacture
- Food Industry
- Leisure market
- Light engineering
- Woodworking

Standards and Approval

The 3M™ Peltor™ Optime™ II Food Industry ear muff is tested and CE approved against the European Standard EN352-1:2002. This product meets the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC. This product has been examined at the design stage by Combitech AB, Kungsorsvägen 60, 732 81 Arboga, Sweden. (Notified Body number 2279).

Materials

The following materials are used in the manufacture of this product.

Component	Material
Headband	Stainless Steel wire, PVC and Acetal
Cups	ABS
Insert	Polyurethane foam
Cushions	Polyether, Glycerine and PVC

Attenuation Values

H520AH02

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.69	12.80	21.26	30.22	34.47	33.06	38.01	36.80
Std Deviation (dB)	3.39	2.04	1.22	1.66	3.42	2.38	2.48	3.01
Assumed Protection Value (dB)	13.29	10.76	20.04	28.56	31.05	30.68	35.52	33.79

SNR=30 dB H=33 dB M=28 dB L=19 dB

Key

H = High-frequency attenuation value (predicted noise level reduction for noise with LC – LA = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with LC – LA = +2dB)

L = Low-frequency attenuation value (predicted noise level reduction for noise with LC – LA = +10dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, LC in order to estimate the effective A-weighted sound pressure level inside the ear).

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

Accessories/Replacement

The 3M™ Peltor™ HY55 and 3M™ Peltor™ HY100A-01 Hygiene Pads can be placed on the cushions to help absorb moisture and sweat.



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